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October/November/December 2013 Highlights



The submission deadline is by midnight on December 6, 2013 for MURI, and midnight on December 13, 2013, for UROP.

Call for 2014 Proposals

The Center for Research and Learning welcomes proposals for spring 2014 Undergraduate Research Opportunity Program (UROP) grants and for the summer 2014 Multidisciplinary Undergraduate Research Institute (MURI) at IUPUI. These are unique opportunities provided to IUPUI faculty and researchers for mentoring students while conducting pilot projects or testing new techniques and designs. Both programs offer students competitive stipends and give them the opportunity to work with a faculty mentor.

MURI 2014 faculty proposals

Proposals must represent two or more disciplines and should offer undergraduate students the opportunity to engage in a substantive research experience focused on a significant problem. Submissions are due by 11:59 p.m. on **December 6, 2013**. The announcement regarding funded proposals is scheduled currently for January 24, 2014.

Students now can submit UROP grant proposals for spring 2014

IUPUI students typically identify a mentor, with whom they work to write a proposal for a substantive research project that would last from several months to two years or until graduation, whichever comes first. Applications are due by 11:59 p.m. on **December 13, 2013**. The announcement regarding funded proposals currently is scheduled for January 24, 2014.

- » [Please Click Here For More Info on MURI](#)
- » [Please Click Here For More Info on UROP](#)



Attendees will tour the Bindley Bioscience and Birck Nanotechnology Centers to see some of the research resources and facilities available at Purdue!

Purdue Life-Science Open House

Purdue University invites junior and senior undergraduates to the [PULSe Fall Open House](#) on Friday, November 1, 2013. This event serves as an opportunity to introduce students to the [Purdue University Interdisciplinary Life Science Ph.D. Program \(PULSe\)](#), which provides opportunities for a synergistic doctoral education in the basic life sciences. Visitors will gain exposure to some of the research being done at Purdue, while they talk with faculty and students and familiarize themselves with the PULSe Program.

The details of the 2013 [PULSe Fall Open House](#) follow:

Date: Friday, November 1, 2013

Time: 10:00 a.m.-3:30 p.m.

Location: 202 Stewart Center, Purdue University, West Lafayette, IN

Activities: Overview will begin at 10:00 a.m., including meet-the-faculty session, lab tours, lunch with students and tour of campus facilities.

Lunch will be provided.

RSVP: pulse@purdue.edu

Questions: 496-1016 or pulse@purdue.edu

- » [Purdue University Interdisciplinary Life Science Ph.D. Program \(PULSe\)](#)
- » [PULSe Fall Open House](#)



Kim S. Nguyen, Ed.D.

Kim Nguyen Addresses ACS National Conference, Discusses Efforts to Increase Minority STEM Field Success

Kim Nguyen, the director of operations for the Urban Center for the Advancement of STEM Education at IUPUI (UCASE), recently discussed campus efforts to boost minority participation and achievement in STEM fields during the 246th [American Chemical Society's National Meeting and Exposition](#). Dr. Nguyen presented a paper on STEM projects at IUPUI, including those conducted through UCASE, part of the Indiana University School of Education at IUPUI. Nguyen, who has directed the center for about fifteen years, also spoke at a news conference during the symposium, which took place September 8-12 at the Indiana Convention Center in downtown Indianapolis. The American Chemical Society (ACS), a nonprofit organization chartered by Congress in 1876, describes itself as the world's largest scientific society and one of the world's leading sources of authoritative scientific information.

During her presentation titled, *Connecting the STEM Pathways: Build Partnerships to Broaden the Participation of Underrepresented Minority Students in STEM Degree Programs at IUPUI*, Nguyen detailed key partnerships toward efforts to increase success. At a news conference the following day, she emphasized the importance of faculty mentoring in minority STEM recruitment and retention, "If the student is exposed to the work of the scientist, exposed to the work of the professional and the demands of the field, that can help them to graduate." "At IUPUI, we have seen the number of students of underrepresented minorities with a STEM degree growing from 29 students in 2002 to 97 students in 2010. We believe that faculty mentors had significant impact on retaining students in STEM fields and moving them beyond, to an advanced degree and professional field."

- » [American Chemical Society's National Meeting and Exposition](#)



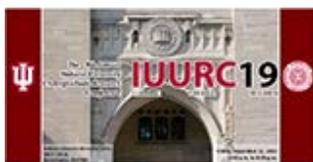
(NCUR) Accepting 2014 Abstracts

National Conference on Undergraduate Research (NCUR) Accepting 2014 Abstracts

The University of Kentucky welcomes the 28th annual National Conference on Undergraduate Research (NCUR) to its campus on April 3-5, 2014. The mission of NCUR is to promote undergraduate research, scholarship and creative activity done in partnership with faculty or other mentors as a vital component of higher education. This symposium presents undergraduates with an excellent opportunity to gain exposure for their research, to receive helpful feedback and to network with graduate-school representatives. Students can apply to give oral, poster, visual-arts or performing-arts presentations.

The deadline for applications and abstracts is 11:59 p.m. on December 6, 2013. For more information on NCUR, please visit www.cur.org/ncur_2014.

- » www.cur.org/ncur_2014



2013 Indiana University Undergraduate Research Conference (IUURC) to be in Bloomington

This year marks the nineteenth annual Indiana University Undergraduate Research Conference (IUURC), which is designed to be an excellent

(IUURC19) to be in Bloomington.

opportunity for students to present their research findings to an engaged and diverse set of peers, to learn more about research opportunities and to network with other undergraduate researchers from around the state. The symposium is dedicated to promoting undergraduate research, scholarship and creative activity in various fields of study, which is performed in partnership with faculty or other mentors from IU. The theme for this year's symposium is "Learning through Research, 'which expresses Indiana University's mission to provide outstanding academic programs. The IUURC will be held Friday, November 22, 2013, from 9:00 a.m. to 4:00 p.m. at the Indiana University Memorial Union in Bloomington, IN.

A charter bus departs IUPUI's campus at 7:15 a.m. and returns at the end of the event.

» <http://www.crl.iupui.edu/events/iuirc/>



Karmen K. Yoder, Ph.D.

Faculty Spotlight: Karmen K. Yoder, Ph.D.

Dr. Karmen Yoder is an associate professor of radiology in the Indiana University School of Medicine, where she earned her Ph.D. in neurobiology. Previously, she graduated from the University of North Carolina with a B.A. in psychology. Professor Yoder's work focuses on using quantitative positron emission tomography (PET) techniques to study in vivo neurochemical processes in humans and in animal models of abnormal brain function. Her overall goal is to integrate her background in neurochemistry and neuropharmacology with advanced PET methodologies to delineate aberrant neurobiological substrates in mental illnesses. Her current research includes the development of paradigms to quantitatively characterize neurotransmitter release using PET.

Dr. Yoder also is a mentor for the Center for Research and Learning's Undergraduate Research Opportunities Program (UROP). In reference to working with her mentee Evgeny "Jenya" Chumin, Yoder reflects, "I've really enjoyed having Jenya in my lab. He's an excellent student and already has the makings of an excellent scientist. I will hate to see him leave when he goes on to bigger and better things, but I look forward to watching him become a successful neuroscientist."

» [Click Here for More Info On Karmen K. Yoder, Ph.D.](#)



Evgeny "Jenya" Chumin

Student Spotlight: Evgeny "Jenya" Chumin

Evgeny "Jenya" Chumin is an IUPUI senior double majoring in psychology and neuroscience. He is a current participant in the Undergraduate Research Opportunities Program (UROP). His research topic is Examining skin conductance and its possible relationships to measures of pain and cognitive strain. Jenya expresses his experience of working with mentor Karmen K. Yoder, Ph.D., "Working with her, I have learned not only how to do research, but also how to make myself a strong candidate for graduate school and how to conduct myself as a researcher." On his project he voices, "My work will benefit researchers who seek to study pain disorders and are interested in alternative measures such as [how] skin conductance are (sic) related to pain."

With fortitude and focus, Jenya has created for himself quite a promising future. In graduate school, he plans to focus on neuroscience, brain imaging and neurostimulation. He also has presented at the psychology capstone poster session and relished doing so as well at the Society for Neuroscience Indianapolis Chapter annual meeting. When asked why he chose the program, Jenya responds, "UROP allows me to work independently and show that I am able to carry out research from start to finish. It shows graduate programs that you are committed and able to succeed in a lab."

CRL Joins Social Media



To keep in touch with our undergraduate-research “family”—this includes anyone receiving this newsletter and more—we have taken to social media! With the Center for Research and Learning (CRL) social-media accounts, you will have access to our most current information about CRL programming, special events and research-related topics.

If you currently do not have a social-media account we encourage you to create one, which benefits you in establishing your brand. Future employers are able to view your published scholarly work, or they may even discover your passionate blogs about research. Establishing your brand opens many doors for networking and employment opportunities. Please friend or like us on any of the following CRL social-media accounts:

